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[]**Patent** [19]

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[54] FLUID CLEANING DEVICE

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[57] ABSTRACT

PROBLEM TO BE SOLVED: To solve such a problem that an unreacted substance remains on the surface of a photocatalyst and the treatment capacity of the photocatalyst is gradually deteriorated when load exceeding decomposition treatment capacity is applied in a fluid cleaning treatment by using the photocatalyst.

SOLUTION: A light source 4 for exciting and activating the photocatalyst is provided on the downstream side of a fluid with respect to a photocatalyst cleaning filter 5. By this constitution, the photocatalyst on the upstream side large in the load due to a substance to be decomposed can be irradiated with intensive light and the accumulation of the undecomposed substance is prevented to reduce the deterioration of the cleaning capacity of the photocatalyst.

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